

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

Recombinant Transferrins, Transferrin Half-Molecules and Mutants Thereof

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

the specification of which		
(check one)		
is attached hereto.		
X was filed on December 28, 1993	as	
Application Serial No. <u>08/175,158</u>		
and was amended on(if applicable)	·	

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one:

- X no such applications have been filed.
- _ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing	Priority Claimed	
		(month,day,year)	Under 35	5 USC 119
			_ Yes	No _
			_ Yes	No _
•			_ Yes	No _
			_ Yes	No _
			_ Yes	No _

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION



I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

832,029	February 6, 1992	Pending
(Application Serial No.)	(Filing Date)	(Status) (patented,pending,aband.)
652,869	February 8, 1991	Abandoned
(Application Serial No.)	(Filing Date)	(Status) (patented,pending,aband.)



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John A. Lahive, Jr.	Reg. No. 19,788	Michael I. Falkoff	Reg. No. 30,833
W. Hugo Liepmann	Reg. No. 20,407	Ann Lamport Hammitte	Reg. No. 34,858
James E. Cockfield	Reg. No. 19,162	John V. Bianco	Reg. No. 36,748
Thomas V. Smurzynski	Reg. No. 24,798	Jeremiah Lynch	Reg. No. 17,425
Ralph A. Loren	Reg. No. 29,325	Amy E. Mandragouras	Reg. No. 36,207
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William C. Geary III	Reg. No. 31,359	Matthew P. Vincent	Reg. No. 36,709
David J. Powsner	Reg. No. 31,868	Paul Louis Myers	Reg. No. 35,965
Giulio A. DeConti, Jr.	Reg. No. 31,503	Elizabeth A. Levy	Reg. No. 34,375

Send Correspondence to:

Giulio A. DeConti, Jr., Esq., Lahive & Cockfield, 60 State Street, Boston, MA 02109

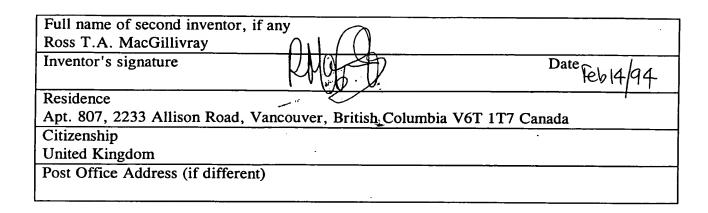
Direct Telephone Calls to: (name and telephone number)

Giulio A. DeConti, Jr., Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

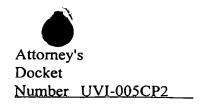
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	
Walter D. Funk	
Inventor's signature	Date
Residence	
11991 Audelia Road, Apt. 2202, Dallas, TX 75243	
Citizenship	
Canada	
Post Office Address (if different)	
2 000 011100 11001000 (11 01110111)	



Full name of third inventor, if any	
Anne B. Mason	
Inventor's signature	Date
	-
Residence	
North Greenbush Road, Charlotte, VT 05445	•
Citizenship	
United States	
Post Office Address (if different)	

Full name of fourth inventor, if any	
Robert C. Woodworth	•
Inventor's signature	Date
Residence	
4 Logan Lane, Shelburne, VT 05482	
Citizenship	
United States	
Post Office Address (if different)	
(,	



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X was filed on <u>December 28, 1993</u>	as
Application Serial No. 08/175,158	· ——
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		(month,day,year)	Under 3:	5 USC 119
			_ Yes	No_
			_ Yes	No _
			_ Yes	No _
			_ Yes	No _
			_ Yes	No _

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-	Z	•

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832,029 (Application Serial No.)	February 6, 1992 (Filing Date)	Pending (Status) (patented,pending,aband.)
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Send Correspondence to:

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Direct Telephone Calls to: (name and telephone number)

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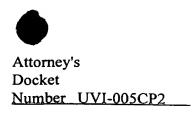
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Full name of sole or first inventor	
Walter D. Funk	
Inventor's signature	Date 2 8 94
Residence /. 🔎	
11991 Audelia Road, Apt. 2202, Dallas, TX 75243	4858 Mendota St lit
Citizenship	Union C. L. (17 94557
Canada	011102 6.17. (17 91-153)
Post Office Address (if different)	

Full name of second inventor, if any	
Ross T.A. MacGillivray	
Inventor's signature	Date
Residence	
Apt. 807, 2233 Allison Road, Vancouver, British Co	olumbia V6T 1T7 Canada
Citizenship	
United Kingdom	
Post Office Address (if different)	

Full name of third inventor, if any	
Anne B. Mason	
Inventor's signature	Date
Residence	
North Greenbush Road, Charlotte, VT 05445	
Citizenship	
United States	•
Post Office Address (if different)	,
,	

Inventor's signature	Date
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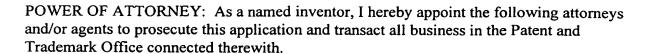
Application Number	Date of Filing	Priority (Claimed
	(month,day,year)	Under 35	5 USC 119
		_ Yes	No _
		_ Yes	No _
		_ Yes	No _
	- 	_ Yes	No _
		_ Yes	No_
	Application Number		(month,day,year) Under 35 _ Yes _ Yes _ Yes _ Yes _ Yes _ Yes _ Yes

(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION		



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Full name of sole or first inventor	
Walter D. Funk	
Inventor's signature	Date
Residence	
11991 Audelia Road, Apt. 2202, Dallas, TX 75243	
Citizenship	
Canada	
Post Office Address (if different)	
,	



Full name of second inventor, if any	
Ross T.A. MacGillivray	
Inventor's signature	Date
Residence	
Apt. 807, 2233 Allison Road, Vancouver, British Col	lumbia V6T 1T7 Canada
Citizenship	
United Kingdom	
Post Office Address (if different)	
·	

Full name of third inventor, if any	
Anne B. Mason	·
Inventor's signature Um B Masm	Date 2/9/94
Residence	
North Greenbush Road, Charlotte, VT 05445	
Citizenship	
United States	
Post Office Address (if different)	

Full name of fourth inventor, if any Robert C. Woodworth	
Inventor's signature for the Woodwood	Date 2/7/74
Residence	
4 Logan Lane, Shelburne, VT 05482	
Citizenship	
United States	
Post Office Address (if different)	

Applicant or Patente	e: Walter D. Funk	k, et al.	Attomev	- -		
Serial or Patent No.:		t, et ai.	-	s lo.: <u>UVI-005CP2</u>		
_		1993	_			
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MUTANTS THE						
	VEDIEIED CTAT	TEMENT (DECLADATION) CLAIMI	NC CMALL ENTERS	CT ATTEC		
•		EMENT (DECLARATION) CLAIMI FR 1.9(f) and 1.27(d)) - NONPROFIT		STATUS		
I hereby declare that	I am an official empowe	ered to act on behalf of the nonprofit org	anization identified belo	w:		
		NIZATION The University of Brit				
		GANIZATION <u>IRC331-2194 Heal</u>	th Science Mall, Va	ncouver, British Columbia,		
	DA V6T 123	TA TON				
TYPE OF	NONPROFIT ORGANI	IZATION HER INSTITUTION OF HIGHER EDU	CATION			
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	OF THE UNITED STA	ATES OF AMERICA IF LOCATED IN	THE UNITED STATES	OF AMERICA		
	(NAME OF STATE _	TUTE		ب		
	(CITATION OF STAT	TUTE		_)		
of paying reduced fee	es to the United States Pa	on identified above qualifies as a nonpro atent and Trademark Office regarding th	e invention entitled			
		<u>S, TRANSFERRIN HALF-MOL</u>	ECULES AND MU	TANTS THEREOF		
•	er D. Funk, et al.					
described in						
	the specification filed h		00 1000			
. 0	application serial no. U	08/175,158 , filed <u>December</u> , issued	er 28, 1993	•		
	patent no.	, issued				
I hereby declare that identified invention.	rights under contract or l	law have been conveyed to and remain v	with the nonprofit organi	ization regarding the above		
listed below* and no under 37 CFR 1.9(c)	rights to the invention a	on are not exclusive, each individual, corure held by any person, other than the invinvention, or by any concern which wou CFR 1.9(e).	entor, who would not qu	ualify as an independent inventor		
*NOTE: Senarate ve	rified statements are rea	quired from each named person, concern	or organization having r	ights to the invention aversing to		
	ntities. (37 CFR 1.27)	and non-each named person, concern	or organization naving i	igns to the invention averting to		
	University of Vermont a ington, Vermont 05405	and STate Agricultural College				
ADDRESS Buil	□ INDIVIDUAL	☐ SMALL BUSINESS CONCERN	NONPROFIT (ORGANIZATION		
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NAME						
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	□INDIVIDUAL	☐ SMALL BUSINESS CONCERN	LI NONPROFIT	ORGANIZATION		
status prior to paying		ation or patent, notification of any chang g, the earliest of the issue fee or any mai 8(b))				
believed to be true; a punishable by fine or	nd further that these state imprisonment, or both,	ein of my own knowledge are true and the tements were made with the knowledge to under section 1001 of Title 18 of the Ur n, any patent issuing thereon, or any pate	hat willful false stateme tited States Code, and th	nts and the like so made are at such willful false statements		
NAME OF PERSON TITLE IN ORGANIZ	ZATION OF PERSON S	is Livingstone NGNING Acting Director/U 331-2194 Health Scienc	University Inc	dustry Liaison Office ouver, B.C., CANADA V6T		
ADDRESS OF PERS	SUN SIGNING TRUS	JJI 2134 Realth Scienc		OUVEL, B.C., CANADA VOT		
Ch.	_ Lt		FEB	15, 1994.		
	SIGNATURE			DATE		
•						

Applicant or Patente	e: Walter D. Funk, et al.	Attorney's			
Serial or Patent No.:		D No.: <u>UVI-005CP2</u>			
Filed or Issued:					
Title:					
MUTANTS THI	REOF				
	VERIFIED STATEMENT (DECLARATION) ((37 CFR 1.9(f) and 1.27(d)) - NONP				
I hereby declare that	I am an official empowered to act on behalf of the nonp	rofit organization identified below:			
NAME O	F NONPROFIT ORGANIZATION The University	of Vermont and State Agricultural College			
	S OF NONPROFIT ORGANIZATION Burlington.	Vermont 05405			
TYPE OF	NONPROFIT ORGANIZATION UNIVERSITY OR OTHER INSTITUTION OF HIGH	FR FOUCATION			
	AX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))				
	NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED				
	STATES OF AMERICA (NAME OF STATE	,			
	(CITATION OF STATUTE				
		ERNAL REVENUE SERVICE CODE (26 USC 501(a)			
	and 501(c)(3)) IF LOCATED IN THE UNITED STAT WOULD QUALIFY AS NONPROFIT SCIENTIFIC C				
u	OF THE UNITED STATES OF AMERICA IF LOCAT	TED IN THE UNITED STATES OF AMERICA			
	(NAME OF STATE(CITATION OF STATUTE				
	(CITATION OF STATUTE				
of paying reduced fe	es to the United States Patent and Trademark Office rega	a nonprofit organization as defined in 37 CFR 1.9(e) for purposes arding the invention entitled -MOLECULES AND MUTANTS THEREOF			
	er D. Funk, et al.				
described in	the anniforation filed becauseb				
	the specification filed herewith. application serial no. 08/175,158 , filed D	ecember 28 1993			
	patent no, issued				
identified invention.		remain with the nonprofit organization regarding the above			
listed below* and no under 37 CFR 1.9(c)	rights to the invention are held by any person, other tha	dual, concern or organization having rights in the invention is n the inventor, who would not qualify as an independent inventor iich would not qualify as a small business concern under 37 CFR			
	rified statements are required from each named person, intities. (37 CFR 1.27)	concern or organization having rights to the invention averring to			
	University of British Columbia				
ADDRESS IRC	331-2194 Health Science Mall, Vancouter, British Colu INDIVIDUAL ISMALL BUSINESS CON				
	LINDIVIDUAL LISMALL BUSINESS CON	E NONFROFII ORDANIZATION			
NAME					
ADDRESS	☐ INDIVIDUAL ☐ SMALL BUSINESS CON	CERN DONPROFIT ORGANIZATION			
	ity to file, in this application or patent, notification of ar	y change in status resulting in loss of entitlement to small entity			
	propriate. (37 CFR 1.28(b))	any maintenance fee due after the date on which status as a small			
•		ue and that all statements made on information and belief are			
		wledge that willful false statements and the like so made are of the United States Code, and that such willful false statements			
	alidity of the application, any patent issuing thereon, or				
		·			
	SIGNING <u>Regina H. White</u> ZATION OF PERSON SIGNING Director, (Office of Sponsored Programs			
ADDRESS OF PER		, 85 So. Prospect St. Burlington, VT 0			
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